RAX/RCX TYPE A DUPLEX INTERCOM

MODELS:	**RA-A,**	Master, Open voice with handset
	RA-B,	Master, Open voice (Flush-mount)
	RA-D,	Master, Speaker-phone type
	RA-C,	Sub, Open voice (Flush-mount)

OPERATION INSTRUCTIONS

RA-A

- Speaker
- Privacy Switch
- Talk button (for paging and simplex communication)
- 1 ~ 9 Number button for station call
- Memory button
- Station number plate
- Call LED and secretary transfer (and absence memory) indicator
- Volume control switch
- OFF button
- Master-to-Sub call button
- Privacy temporary release button
- Talk button (for paging and simplex communication)
- Bar switch (for handset private communication and privacy temporary release)
- Page button
- Microphone

RA-D

- Handset
- Speaker
- TALK button
- Directory card
- Dial key pad (same as RA-A's)
- Stand
- Station No. plate
- Call LED and secretary transfer (and absence memory) indicator
- Microphone
- Volume control switch (*)
- Privacy switch

● The call tone & communication volume can be adjusted to three levels.

| LOW | MEDIUM | HIGH |
| LEFT *(DOWN) | MIDDLE *(MIDDLE) | RIGHT *(UP) |

RA-B

RA-C

- Speaker
- Call LED, secretary transfer (and absence memory) indicator
- Privacy switch
- Volume control switch
- OFF button
- Master-to-Sub call button
- Station number plate
- Microphone

1 CALLING

OPERATION	MODE OF THE CALLED STATION		ACTION
Press digit buttons of desired station. ① ⓪ for station No.10 ① ⓪ ⓪ for station No.100	(1) ▬ Single call tone ▬▬▶		Communicate.
	(2) ▮▮▮▮ Busy tone ▬▬▶		Press ● (OFF) button (or hang up handset in RA-D) to cancell call.
		OR	Press ◉ button to leave a request for call back. **(Camp-on busy)**
		OR	Press ⓪ button for urgent break in signal and (for RCX only) press ⓘ button to call by voice.
Master/sub communication; *At RA-C sub, simply press ▶ button to call master. *At master, press ▶ button (and, in RCX only, a digit button ① ~ ⑨) to call sub.	(3) ▮▮▮ Network busy tone ▬▬▶ (in RCX only)		Press ● (OFF) button.
	(4) ▬ ▬Privacy tone ▬▬▶		Wait for station to release from privacy mode.
	(5) ▬▬▬▬Absence tone ▬▬▶ (in RCX only)		Press ● (OFF) button to cancell call.
		OR	Press ◉ button to leave a request for call back. **(Camp-on absence)**

Press ● (OFF) button or hang up handset in RA-D to end communication.

RECEIVING

MODE OF YOUR STATION	CALLING TONE		ACTION
(1) Non-privacy mode	Single call tone ▬▬▶		Communicate handsfree.
		OR	At RA-A, pick up the unit and depress the bar switch for private communication.
		OR	At RA-D, pick up handset for private communication.
(2) Privacy mode	Privacy call tone ▬▬▶		Momentarily press ⏮ button and communicate handsfree.
		OR	At RA-A, pick up the unit and depress the bar switch for private communication.
		OR	At RA-D, pick up handset for private communication.
(3) Communicating with another station	Urgent message break-in signal and call (in RCX only) ▬▬▶		Press ◉ button to place present communication on hold, and reply. ⬇ Press ● button to restore connection to station on hold.

2 PRIVACY — To block out incoming calls and prevent monitoring;

* Setting Privacy mode;   Slide PRIVACY Switch to the right position. ▣
* Releasing from Privacy mode;   Slide PRIVACY Switch to the left position. ▣

Note: Setting and releasing from Privacy mode must be made while your station is in standby mode.

## 3 CALL HOLDING — To place present communication on hold;

* Press ⊙ button.
* Press ● button to restore connection to station on hold and resume conversation.

4 CALL TRANSFER — To route incoming calls to another station;

(1) Press ⊙ button.
(2) Press number of station where call is to be transferred.

(3) After communication line is established, press ⑦ button.	(3) After communication line is established, press ⊙ button.

Note: When you have no reply, press ● button and resume the initial communication.

5 SECRETARY TRANSFER (STATION TRANSFER) — To have any incoming call to you answered by your secretary;

* Setting Secretary Transfer mode; Press ⊙ button and station number of your secretary.
* Cancelling Secretary Transfer mode; Press ⊙ and ⓪ buttons.

6 SIMPLEX COMMUNICATION — When communicating with a station located in a noisy area;

Press ❶ button to talk and release to listen.

*WHEN YOUR SYSTEM INCLUDES PAGING FUNCTIONS;

7 ALL PAGE — To page all zones in your system through paging speakers;

(1) Press ⊞ , ⑨ buttons.	(1) Press ⊞ , ⑨ buttons (and ⊞ button, if call back is required).

(2) Make announcement while depressing and holding (*) ❶ button.
(3) Wait for call back. OR If call back is not desired, press ● button.

8 ZONE PAGE — To page one zone in your system through paging speakers;

(1) Press ⊞ and zone number button (① ~ ④).	(1) Press ⊞ , zone number button (① ~ ④) (and ⊞ button, if call back is required).

(2) Make announcement while depressing and holding ❶ button.
    If talkback is included, release (*) ❶ button to listen.
(3) Wait for call back. OR If call back is not desired, press ● button.

9 CALL BACK TO PAGING (ALL PAGE/ZONE PAGE)

Press ⑥ button at the nearest station.	Press ⑥ and ⊞ buttons at any station (in a zone paged).

(*) In RA-A and RA-D, TALK button in handset works for ❶ (TALK) button on the dial key pad.

10 ALL CALL — To page through all intercom stations;

(1) Press ⑤ button.	(1) Press ⊡ and ⓪ button (and ⊡ button, if call back is required).

(2) Make announcement while depressing and holding ⏹ button. (*)
(3) Wait for call back. OR If call back is not desired, press ⦿ button.

11 CALL BACK TO ALL CALL

(1) Press ⑤ button at the nearest station.	(1) Press ⑤ and ⊡ buttons at the nearest station.

12 GROUP CALL — To page through a group of intercom stations;

	(1) Press ⊡ and a group number button ⑤ ~ ⑧ (and ⊡ button, if call back is required). (2) Make announcement while depressing and holding ⏹ button. (*) (3) Wait for call back. OR If call back is not desired, press ⦿ button.

13 CALL BACK TO GROUP CALL

	(1) Press ⑤ and ⊡ buttons at any station of a group paged.

*WHEN YOUR SYSTEM INCLUDES DEVICES, SUCH AS INTERNAL/EXTERNAL LIGHTS, DOOR RELEASE ETC.

14 REMOTE OPERATION OF EXTERNAL DEVICES

(1) Press ⊡ button and zone number button (① , ② , ③ or ④).
(2) Momentarily press ⏹ button. (*)
 * If you hear intermittent tone, the external device is in ON mode.
 * If you hear a continuous tone, the external device is in OFF mode.
(3) Depress ⓪ button to reverse ON/OFF mode of internal/external lights, etc. OR
 Depress and hold ⓪ button to activate electric door release, etc.
(4) Press ⦿ button.

15 CONFERENCE CALL — To initiate a conference call;

	(1) Press number button of each station to be included and ⊡ button after each (up to 5 stations). (2) Initiator depresses and holds down (*) ⏹ button and begins conversation. (3) The called stations must depress and hold down ⏹ button (*) to respond. (4) The called stations press ⦿ button to get out of the conference. At conclusion of the conference, initiator must press ⦿ button.

(*) In RA-A and RA-D, TALK button in handset works for ⏹ (TALK) button on the dial key pad.

16 ABSENCE MEMORY

— To program your station to remember who called during your absence;

(1) Press ⊙ and ⏮ buttons.
(2) Upon your return, red light flickering every other second indicates that you have calls in your station's memory bank.

17 ABSENCE MEMORY CALL BACK

— When you noticed fast flickering red light upon your return;

(1) Press ⊙ button.
(2) Press ⦁ button at completion of your conversation.
(3) Repeat process until red light flickers more slowly and all calls have been answered.
(4) Absence Memory Clear; Press ⊙ and 0 buttons to restore your station to normal operation.

18 MEMORY CLEAR

— To erase all memory functions except privacy (Camp-on busy, Camp-on absence, Absence memory & Secretary transfer)

Press ⊙ and 0 buttons and your station returns to normal operation.

OPERATIONAL FLOW

NO.	FUNCTIONS	RAX	RCX
1	STATION CALL	[No.] [No.]	[No.] [No.] (and [No.] in RCX-88, -128)
	OFF	[•] or Hang up handset. (RA-D)	[•] or Hang up handset. (RA-D)
	CAMP-ON BUSY SET	[⊙]	[⊙]
	CAMP-ON BUSY CLEAR	[⊙] [0]	[⊙] [0]
	URGENT MESSAGE BREAK-IN SIGNAL (and CALL)	[0] (to signal only)	[0] (to signal) → [↕] (to call by voice)
	REPLY TO URGENT MESSAGE BREAK-IN	[⊙]	[⊙]
	MASTER/SUB COMMUNICATION	[▶]	[▶] (Sub to master) / [▶] [1~9] (Master to sub)
2	PRIVACY	[■]	[■]
	NON-PRIVACY	[■]	[■]
	TEMPORARY PRIVACY RELEASE	[⋈]	[⋈]
3	CALL HOLDING	[⊙] → [⊙] or [•] (to return)	[⊙] → [•] (to return)
4	CALL TRANSFER	[⊙] [No.] [No.] [7]	[⊙] [No.] [No.] ([No.]) [⊙]
5	SECRETARY (STATION) TRANSFER SET	[⊙] [No.] [No.]	[⊙] [No.] [No.] ([No.])
	SECRETARY (STATION) TRANSFER CLEAR	[⊙] [0]	[⊙] [0]
6	SIMPLEX COMMUNICATION	[↕]	[↕]
7	ALL PAGE (WITH CALL BACK)	[⋮⋮] [9] [↕]	[⋮⋮] [9] ([⋮⋮]) [↕]
8	ZONE PAGE (WITH CALL BACK)	[⋮⋮] [1~4] [↕]	[⋮⋮] [1~4] ([⋮⋮]) [↕]
9	CALL BACK TO PAGING	[6]	[6] [⋮⋮]
10	ALL CALL (WITH CALL BACK)	[5] [↕]	[⋮⋮] [0] ([⋮⋮]) [↕]
11	CALL BACK TO ALL CALL	[5]	[5] [⋮⋮]
12	GROUP CALL (WITH CALL BACK)		[⋮⋮] [5~8] ([⋮⋮]) [↕]
13	CALL BACK TO GROUP CALL		[5] [⋮⋮]
14	REMOTE OPERATION	[⋮⋮] [1~4] [↕] [0]	[⋮⋮] [1~4] [↕] [0]
15	CONFERENCE CALL		(1) [No.] [No.] [⋮⋮] ...(5) [No.] [No.] [⋮⋮] [↕]
16	ABSENCE MEMORY SET		[⊙] [⋈]
17	ABSENCE MEMORY CALL BACK		[⊙]
	ABSENCE MEMORY CLEAR		[⊙] [0]
18	CLEAR MEMORY	[⊙] [0]	[⊙] [0]

RCX SYSTEM OPTIONS

1 DOOR STATIONS

— To receive a call from up to two door stations at either of up to five programmed master stations;

(1) A call from door station is announced at all programmed master stations by electronic chime.
   * If the chime is 4 strokes, the call is from the first door station.
        Press ⑤ ▶ buttons.
   * If the chime is 2 strokes, the call is from the second door station.
        Press ⑥ ▶ buttons.
(2) Talk handsfree. In RA-A, Pick up the unit and hold the bar switch and, in RA-D, pick up handset for private handset communication. When the door station is situated in a noisy area, you may press ⬆ (TALK) button to talk and release to listen.
(3) If your system includes a door release, momentarily press ⓪ button during communication, which activates the timer circuits for opening the door.
(4) Press ⚫ (OFF) button or hang up handset in RA-D to end communication with door station.

2 ADDITIONAL PAGING/REMOTE CONTROL

To select any YAW adaptor, press ⑦ ▶ buttons.

(1) When continuous mono tone is heard;

Paging with YAW-R or YAW-RA;

Press ⬚ button and an adaptor number button (0 ~ 9) (and a zone number button in YAW-RA 1 ~ 8). Make announcement depressing ⬆ button (and release to listen, if talkback is included). Press ⚫ button at end of announcement.

NOTE:
After selecting an adaptor number for YAW-RA, press zone number buttons (1 ~ 8) in succession for multiple zone page or ◎ button for all page (to 8 zones simultaneously).

Remote operation of controlling ON/OFF of lights or door release, etc.;

Press ⬚ button and an adaptor number button (0 ~ 9) for YAW-S.

* When an intermittent tone is heard, the lighting function is in ON mode.
* When a continuous tone is heard, the lighting function is in OFF mode.

Alternate operation: Momentarily press ◎ button to turn on lights. OR
                      Momentarily press ⬚ button to turn off lights.

Momentary operation: Press and hold ◎ button down to activate door release, etc.
                      Press ⚫ button.

(2) When intermittent tone is heard;

It means other station is operating paging or remote control and the channel is occupied. Press ⚫ button to disconnect and call later.

NOTES:
1. It is not possible to operate two or more adaptors at the same time.
2. Paging/remote control operations can be made by master stations RA-A, RA-B and RA-D.

SYSTEM

NAME	No.	NAME	No.